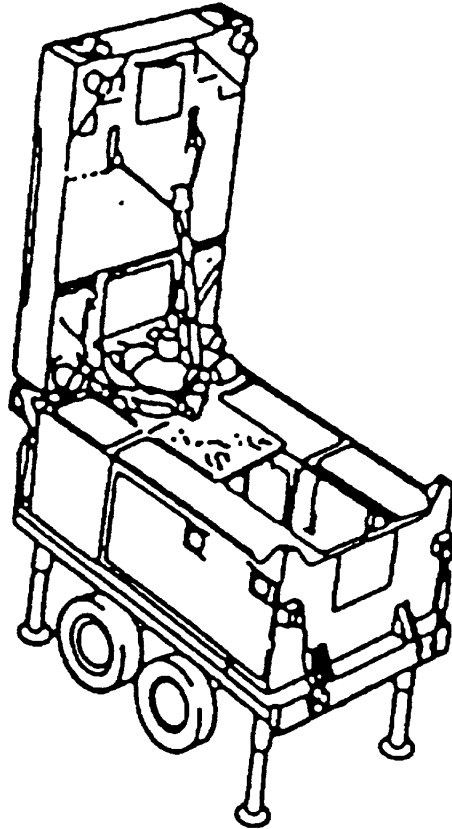


AN/TPQ-37 FIREFINDER



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Radar Set, Artillery
SSN:	B88701
LIN:	A41666
NSN:	5840-01-043-4258
AMIM NO:	I225
EIC:	IYB
FUEL TYPE:	-----

SYSTEM DESCRIPTION
<p>The AN/TPQ-37 FIREFINDER is an artillery-locating radar. This system was the first of its type, in large scale production, to use phased-array techniques for scanning in both azimuth and elevation by using miniaturized diode phase shifters distributed throughout the antenna. The AN/TPQ-37 locates enemy artillery positions at their normal firing ranges and relays the data through voice or digital links to the Fire Direction Center, which initiates counter-battery fire. Operationally, two AN/TPQ-37s are deployed per division sector, further from the front lines to locate opposing long- range artillery fire.</p>

The list below identifies components associated with this weapon/materiel system.

AN/TPQ-37 FIREFINDER

<u>LIN</u>	<u>NSN</u>	<u>NOMENCLATURE</u>
A22496	1290-00-614-0008	AIMING CIRCLE
A72260	5985-00-497-8554	ANTENNA, RC-292
A79381	5985-01-063-1574	ANTENNA GROUP, OE-254/G
B38070	5820-00-893-1323	BASE SHOCK MOUNT ELECTRICAL, MT-102
K22513	5965-00-892-1010	HEADSET, ELECTRICAL
K23814	5965-00-069-8885	HEADSET MIC H-182/PT
K87328	5820-00-401-9669	INSTALLATION KIT, MK-14
K87456	5820-01-022-3328	INSTL KT, MK-1817/GRC F/AN/VRC-46/5
L65501	6675-00-612-1187	TARGET SURVEY, LIGHT
P40754	6130-00-823-5359	POWER SUPPLY, PP-6547/U
Q53001	5820-00-223-7433	RADIO SET, AN/VRC-46
R33939	5820-00-892-0622	RECEIVER-TRANSMITTER RADIO, RT-524
T47091	5180-01-064-1374	TOOL KIT ORG FIREFINDER
V31211	5805-00-503-2775	TELEPHONE SET, TA-43/PT

SYSTEM VARIANTS

<u>MDS</u>	<u>LIN</u>	<u>NSN</u>
AN/TPQ-37	A41666	5840-01-084-5374
AN/TPQ-37	A41666	5840-01-185-4243
AN/TPQ-37	A41666	5840-01-186-9125
AN/TPQ-37	A41666	5840-01-270-5100
AN/TPQ-37	A41666	5840-01-270-5101

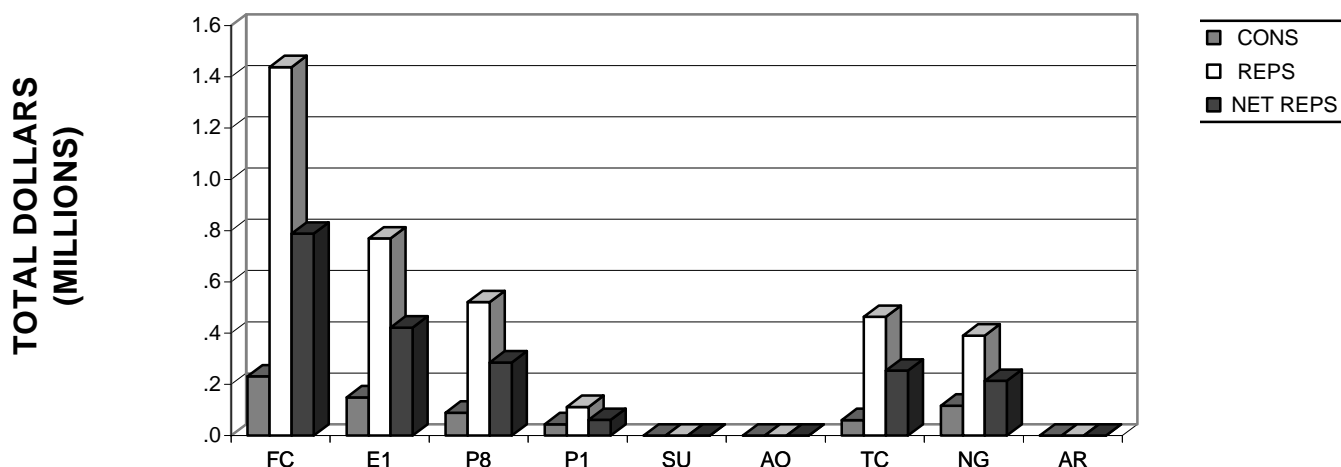
This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

<p align="center">AN/TPQ-37 FIREFINDER FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)</p>
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<div>DENSITY</div> <div>NUMBER OF SYSTEMS59</div>		<div>DEPOT END ITEM MAINTENANCE (5.061)</div> <div>TOTAL\$2,247,989</div> <div>QUANTITY COMPLETED4</div> <div>AVG COST/END ITEM\$561,997.25</div>																			
<div>CLASS III-POL (5.05)</div> <div>NOT APPLICABLE</div>		<div>DEPOT SECONDARY ITEM MAINTENANCE</div> <div>TOTAL\$0</div> <div>QUANTITY COMPLETED0</div> <div>AVG COST/SECONDARY ITEM\$0.00</div>																			
<div>CLASS V-AMMUNITION (2.11)</div> <div>NOT APPLICABLE</div>		<div>INTERMEDIATE MAINTENANCE</div> <table><tr><td></td><td><u>DS/GS</u></td><td><u>CIVILIAN</u></td></tr><tr><td>MIL/CIV LABOR COST</td><td>\$42,787</td><td>\$635</td></tr><tr><td>AVG COST/SYSTEM</td><td>\$725.20</td><td>\$10.76</td></tr><tr><td colspan="3"> </td></tr><tr><td>MAINTENANCE MANHOURS</td><td>2,576</td><td>45</td></tr><tr><td>MMHs/SYSTEM</td><td>43.66</td><td>0.76</td></tr></table>			<u>DS/GS</u>	<u>CIVILIAN</u>	MIL/CIV LABOR COST	\$42,787	\$635	AVG COST/SYSTEM	\$725.20	\$10.76				MAINTENANCE MANHOURS	2,576	45	MMHs/SYSTEM	43.66	0.76
	<u>DS/GS</u>	<u>CIVILIAN</u>																			
MIL/CIV LABOR COST	\$42,787	\$635																			
AVG COST/SYSTEM	\$725.20	\$10.76																			
MAINTENANCE MANHOURS	2,576	45																			
MMHs/SYSTEM	43.66	0.76																			
<div>CLASS IX MATERIEL-PARTS (5.04/5.03)</div> <table><tr><td></td><td>FY 94</td><td>AVG COST</td></tr><tr><td></td><td><u>DOLLARS</u></td><td><u>PER SYSTEM</u></td></tr><tr><td>CONSUMABLES</td><td>\$692,405</td><td>\$11,735.68</td></tr><tr><td>NET REPARABLES</td><td>\$2,024,220</td><td>\$34,308.81</td></tr><tr><td>NET TOTAL COSTS</td><td>\$2,716,625</td><td>\$46,044.49</td></tr></table>					FY 94	AVG COST		<u>DOLLARS</u>	<u>PER SYSTEM</u>	CONSUMABLES	\$692,405	\$11,735.68	NET REPARABLES	\$2,024,220	\$34,308.81	NET TOTAL COSTS	\$2,716,625	\$46,044.49			
	FY 94	AVG COST																			
	<u>DOLLARS</u>	<u>PER SYSTEM</u>																			
CONSUMABLES	\$692,405	\$11,735.68																			
NET REPARABLES	\$2,024,220	\$34,308.81																			
NET TOTAL COSTS	\$2,716,625	\$46,044.49																			

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

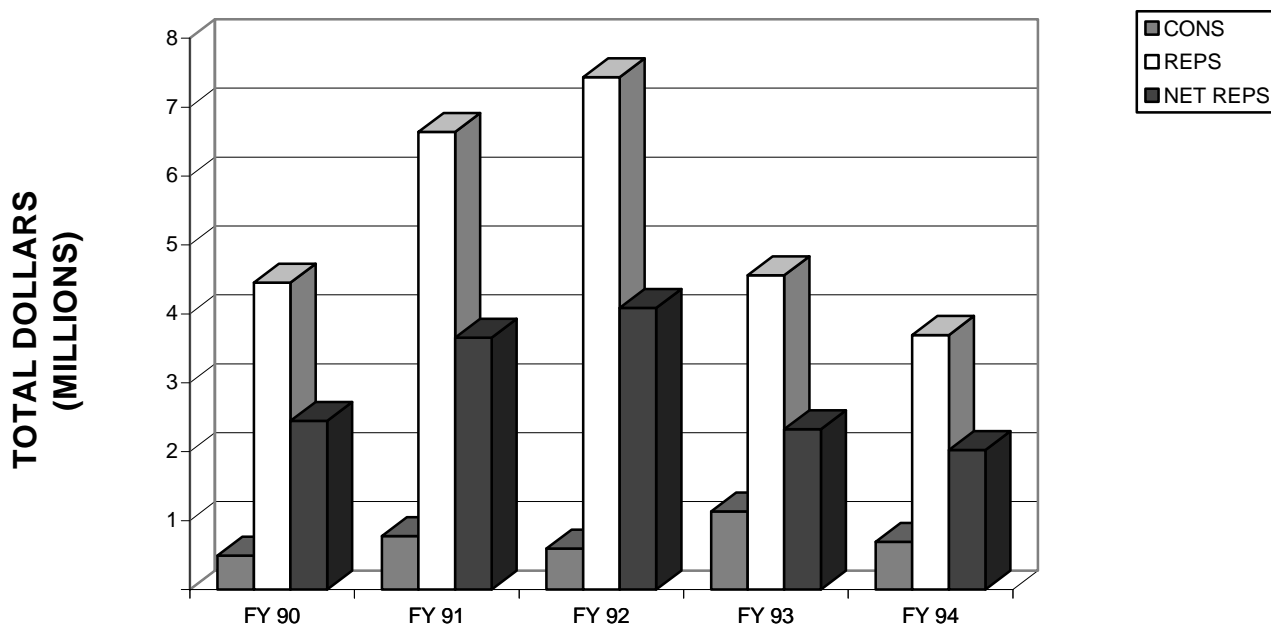
AN/TPQ-37 FIREFINDER



AN/TPQ-37 FIREFINDER FY 94 MACOM CLASS IX COSTS							
MACOM		CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
CODE	NAME						
FC	FORSCOM	231,182	1,437,930	787,978	1,019,160	18	56,620
E1	USAREUR	149,637	769,278	421,561	571,198	6	95,200
P8	EUSA	89,324	521,105	285,565	374,889	2	187,445
P1	USARPAC	44,363	111,878	61,309	105,672	2	52,836
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	60,800	463,447	253,968	314,768	11	28,615
NG	ARNG	116,846	390,276	213,838	330,684	18	18,371
AR	USAR	253	2	1	254	2	127
TA	TOTAL ARMY	692,405	3,693,916	2,024,220	2,716,625	59	46,044

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparable (REPS) and net reparable (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-37 FIREFINDER



AN/TPQ-37 FIREFINDER FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90	490,493	4,451,345	2,448,241	2,938,734	50	58,775
FY 91	775,945	6,641,055	3,652,580	4,428,525	52	85,164
FY 92	594,280	7,432,517	4,087,885	4,682,165	51	91,807
FY 93	1,133,535	4,559,435	2,325,311	3,458,846	60	57,647
FY 94	692,405	3,693,916	2,024,220	2,716,625	59	46,044

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/TPQ-37 FIREFINDER FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	489,831	3,239,864	1,775,449	2,265,280	59	38,395
02	PROCESSING (ADPE)	0	0	0	0	0	0
03	COMMUNICATIONS	47,478	9,040	4,951	52,429	59	889
04	PERIPHERALS	0	206,898	113,378	113,378	59	1,922
05	ENVIRON SUPPORT	69,468	160,480	87,945	157,413	59	2,668
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	85,628	77,634	42,497	128,125	59	2,172
	TOTAL	692,405	3,693,916	2,024,220	2,716,625	59	46,044

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-37 FIREFINDER FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS						
WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	SENSORS	2,310,547	3,346,323	3,193,815	2,207,977	2,265,280
02	PROCESSING (ADPE)	12	27	15,743	0	0
03	COMMUNICATIONS	74,637	106,485	47,349	58,282	52,429
04	PERIPHERALS	10,522	217,230	530,272	212,753	113,378
05	ENVIRON SUPPORT	369,574	396,268	335,334	644,099	157,413
06	APPLICATIONS	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0
09	OTHER	173,442	362,192	559,652	335,735	128,125
	TOTAL	2,938,734	4,428,525	4,682,165	3,458,846	2,716,625
	NUM OF SYSTEMS	50	52	51	60	59
	AVG PER SYSTEM	58,775	85,164	91,807	57,647	46,044

AN/TPQ-37 FIREFINDER
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	5999011812465	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,233.00	20.65
2.	5998010728198	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,586.00	13.22
3.	5961010860448	SEMICONDUCTOR DEVIC	01E	Z		Q2200	147.61	239.87
4.	5998010999246	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,146.00	10.24
5.	1080001078563	KIT,REPAIR,RADAR TR	09	O		B21UT	16.85	1,324.00
6.	5960011178671	ELECTRON TUBE	01A	Z		Q22SK	2,596.97	7.00
7.	5910010757961	CAPACITOR, FIXED, PAP	01E	Z		Q2200	2,434.49	6.49
8.	5999012389736	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,866.00	7.74
9.	5840011017070	CARTRIDGE	01A	Z		Q2200	373.70	37.00
10.	2610005546250	TIRE PNEU	05C	F		K21PP	469.00	26.81
11.	5840011017071	CARTRIDGE	01A	Z		Q2200	361.52	34.00
12.	5985010746684	FEEDCONE ASSEMBLY	03E	F		G21RA	59.41	202.11
13.	5998010724303	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,981.00	5.80
14.	5999011926505	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,436.00	4.58
15.	6650013207558	CASE, OPTICAL INSTRU	09	F		E2100	3,460.00	3.00
16.	5840010822662	ELECTRONIC COMPONENT	01A	F	D	G21SK	4,237.00	2.24
17.	5840010922546	ENCODER, DATA BUS	01A	H		G21SK	1,333.00	5.96
18.	5998010724623	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,818.00	2.76
19.	5945006609314	RELAY, ELECTROMAGNET	01A	Z		Q22SK	970.82	7.70
20.	2910002282799	PUMP, FUEL METERING	05A	H		B21VF	630.00	11.52
21.	2610012044488	TIRE, PNEUMATIC	05C	F		K21PP	142.00	50.02
22.	5840010823669	LOAD, WAVEGUIDE	01A	Z		Q2200	2,186.71	3.00
23.	5945010710291	RELAY, ELECTROMAGNET	01A	Z		Q22SK	710.61	7.85
24.	5985010945865	SWITCH, WAVEGUIDE	01B	F		Q2100	2,697.17	2.00
25.	4320010820608	PUMP, MOTOR	09	Z		J2200	5,347.11	1.00
26.	5998010724572	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,507.00	3.53
27.	5998010724600	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	805.00	6.30
28.	4130013250044	FILTER ELEMENT, AIR	05B	Z		J2200	240.39	21.00
29.	5120011829009	JACK, LEVELING-SUPPO	09	O		K21PL	2,484.00	2.00
30.	5998010724571	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	1,276.00	3.81
31.	6645010700328	TIMER, SEQUENTIAL	09	Z		E2200	1,206.64	4.00
32.	5995008232838	CABLE ASSEMBLY	03E	Z		Q22RU	76.48	60.30
33.	5998010728211	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,738.00	2.60
34.	5995010851665	CABLE ASSEMBLY, RADI	03E	F		G21R4	31.22	143.30
35.	5999011786994	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	3,677.00	1.20
36.	5999010728236	CIRCUIT CARD ASSEMB	01A	H		G21SK	1,808.00	2.40
37.	5945012354066	RELAY, ELECTROMAGNET	01E	Z		Q2200	1,207.67	3.58
38.	5998010728201	CIRCUIT CARD ASSEMB	01A	H	D	G21SK	2,062.00	2.00
39.	5985002403720	MAST SECTION	01B	Z		Q2200	6.82	570.57
40.	1080001081155	CASE, SCREEN, RADAR S	09	Z		B22UT	23.46	155.00

NUMBER OF SYSTEMS	59
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

AN/TPQ-37 FIREFINDER CONSUMABLES (NON-DLRs)

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST
66,761	1,131.54	35.0000	13.24	42,805
47,407	803.51	22.4068	7.26	26,034
35,407	600.12	406.5593	122.05	18,016
32,215	546.02	17.3559	4.24	13,339
22,309	378.12	2,244.0678	2,185.49	36,826
18,179	308.12	11.8644	10.18	26,437
15,800	267.80	11.0000	3.68	8,959
14,442	244.78	13.1186	4.18	7,800
13,826	234.34	62.7119	32.18	12,026
12,574	213.12	45.4407	78.12	36,638
12,292	208.34	57.6271	37.16	13,434
12,007	203.51	342.5593	167.85	9,972
11,490	194.75	9.8305	3.86	7,647
11,156	189.08	7.7627	2.42	5,895
10,380	175.93	5.0847	1.07	3,702
9,491	160.86	3.7966	5.16	21,863
7,944	134.64	10.1017	2.50	3,333
7,778	131.83	4.6780	3.31	9,328
7,475	126.69	13.0508	3.70	3,592
7,258	123.02	19.5254	19.25	12,128
7,102	120.37	84.7797	35.14	4,990
6,560	111.19	5.0847	8.80	19,243
5,578	94.54	13.3051	8.71	6,189
5,394	91.42	3.3898	2.60	7,013
5,347	90.63	1.6949	0.80	4,278
5,320	90.17	5.9831	3.02	4,551
5,072	85.97	10.6780	2.60	2,093
5,050	85.59	35.5932	12.61	3,031
4,968	84.20	3.3898	3.20	7,949
4,862	82.41	6.4576	5.13	6,546
4,827	81.81	6.7797	7.06	8,519
4,612	78.17	102.2034	28.96	2,215
4,518	76.58	4.4068	1.62	2,816
4,473	75.81	242.8814	140.28	4,380
4,413	74.80	2.0339	2.34	8,604
4,339	73.54	4.0678	0.72	1,302
4,324	73.29	6.0678	2.80	3,381
4,124	69.90	3.3898	1.40	2,887
3,893	65.98	967.0678	1,046.63	7,138
3,636	61.63	262.7119	286.64	6,725

474,603	68.5%	TOP 40
217,802	31.5%	OTHERS
=====		
692,405		

AN/TPQ-37 FIREFINDER
TOP 40 COST DRIVERS
CLASS IX REPARABLES (DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
							W/O CREDIT	W/CREDIT	
1.	5840010886678	CONVERTER,FREQUE	01A	D	E	G21SK	35,549.00	19,480.85	12.59
2.	5960012703938	ELECTRON TUBE	01A	D	C	G21SK	66,475.00	36,428.30	3.86
3.	5840010735483	PRINTER,LINE	04B	D	C	G21SK	28,253.00	15,482.64	6.81
4.	5840010886654	MULTR FREQUENCY A	01A	D		G21SK	37,875.00	20,755.50	4.28
5.	5950011408992	TRANSFORMER RECT	01A	D	E	G21SK	22,971.00	12,588.11	6.50
6.	5960010769930	ELECTRON TUBE	01A	D	C	G21SK	66,475.00	36,428.30	2.01
7.	5999011926479	DELAY LINE	01A	D	C	G21SK	24,063.00	13,186.52	5.45
8.	5960013495380	ELECTRON TUBE	01A	D	E	G21SK	33,285.00	18,240.18	3.11
9.	5998010724649	CIRCUIT CARD ASSEM	01A	H	E	G21SK	3,654.00	2,002.39	25.72
10.	5840010886656	OSCILLATOR ASSEMB	01A	D		G21SK	27,815.00	15,242.62	3.22
11.	5840010720500	AMPLIFIER,RADIO FRE	01A	D	C	G21SK	49,764.00	27,270.67	1.73
12.	5840012389511	OSCILLATOR ASSEMB	01A	D	C	G21SK	24,939.00	13,666.57	3.10
13.	5999012248133	CIRCUIT CARD ASSEM	01A	D		G21SK	15,368.00	8,421.66	4.79
14.	5840011119170	RECTIFIER AND FILTE	01A	D	E	G21SK	18,226.00	9,987.85	3.89
15.	5915010728068	FILTER,BAND PASS	01A	D	D	G21SK	28,703.00	15,729.24	2.47
16.	5840010720422	MICROWAVE CIRCUIT	01A	D	C	G21SK	15,108.00	8,279.18	4.35
17.	5895011926474	CONVERTER,FREQUE	01A	D	D	G21SK	20,017.00	10,969.32	2.78
18.	5915010728069	FILTER,BAND PASS	01A	D	D	G21SK	29,789.00	16,324.37	1.82
19.	5840013060753	TILT SENSOR	01A	D		G21SK	28,287.00	15,501.28	1.80
20.	5998013081427	CIRCUIT CARD ASSEM	01A	D	E	G21SK	16,917.00	9,270.52	2.88
21.	5840010886790	CIRCUIT CARD ASSEM	01A	L	D	G21SK	24,939.00	13,666.57	1.85
22.	5999010724653	CIRCUIT CARD ASSEM	01A	H	C	G21SK	3,233.00	1,771.68	13.59
23.	5840010764108	SERVO ENCODER ASS	01A	D	C	G21SK	9,197.00	5,039.96	4.72
24.	5895013394845	CONVERTER,FREQUE	01A	D		G21SK	20,608.00	11,293.18	2.00
25.	5840012389606	AMPLIFIER,RADIO FRE	01A	D	C	G21SK	49,764.00	27,270.67	0.82
26.	5840011917387	CIRCUIT CARD ASSEM	01A	D		G21SK	9,432.00	5,168.74	3.95
27.	5915010728067	FILTER,BAND PASS	01A	D	D	G21SK	27,881.00	15,278.79	1.30
28.	5840011926471	DRIVE,ANTENNA	01B	D	E	G21SK	9,584.00	5,252.03	3.47
29.	5975010724464	INTERCONNECTING B	01A	D	R	G21SK	12,788.00	7,007.82	2.45
30.	5998010724606	CIRCUIT CARD ASSEM	01A	D	D	G21SK	8,610.00	4,718.28	3.60
31.	6625010825633	INDICATOR,PANORAM	09	D	C	G21SK	8,127.00	4,453.60	3.70
32.	5998010724655	CIRCUIT CARD ASSEM	01A	D	C	G21SK	5,466.00	2,995.37	5.28
33.	5895010724331	CONVERTER,DOWN	01A	D	D	G21SK	20,608.00	11,293.18	1.36
34.	5995010828114	CABLE ASSEMBLY,SPI	01A	D	D	G21SS	3,966.00	2,173.37	6.30
35.	6130012389648	POWER SUPPLY	05A	D	D	G21SK	10,441.00	5,721.67	2.34
36.	6625012135202	GENERATOR,SIGNAL	09	D	D	G21SK	23,699.00	12,987.05	1.02
37.	5998012401102	CIRCUIT CARD ASSEM	01A	H	E	G21SK	3,505.00	1,920.74	6.53
38.	5998010724577	CIRCUIT CARD ASSEM	01A	D	D	G21SK	8,003.00	4,385.64	2.80
39.	5840011926470	DRIVE,ANTENNA	01B	D	C	G21SK	13,013.00	7,131.12	1.63
40.	5998012389737	CIRCUIT CARD ASSEM	01A	D	E	G21SK	16,917.00	9,270.52	1.22

NUMBER OF SYSTEMS	59
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

AN/TPQ-37 FIREFINDER REPARABLES (DLRs)

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST (W/CREDIT)
245,263	4,157.00	21.3390	6.92	134,807
140,613	2,383.27	6.5424	3.77	137,335
105,436	1,787.05	11.5424	9.36	144,918
88,834	1,505.66	7.2542	3.26	67,663
81,822	1,386.81	11.0169	7.50	94,411
73,221	1,241.03	3.4068	2.40	87,428
71,867	1,218.08	9.2373	4.89	64,482
56,727	961.47	5.2712	1.62	29,549
51,502	872.92	43.5932	13.94	27,913
49,081	831.88	5.4576	1.44	21,949
47,179	799.64	2.9322	3.15	85,903
42,367	718.08	5.2542	1.62	22,140
40,339	683.71	8.1186	3.56	29,981
38,853	658.53	6.5932	4.38	43,747
38,851	658.49	4.1864	3.69	58,041
36,014	610.41	7.3729	5.67	46,943
30,494	516.85	4.7119	4.96	54,408
29,710	503.56	3.0847	2.36	38,526
27,902	472.92	3.0508	2.16	33,483
26,699	452.53	4.8814	3.98	36,897
25,284	428.54	3.1356	0.57	7,790
24,077	408.08	23.0339	2.72	4,819
23,789	403.20	8.0000	4.74	23,889
22,587	382.83	3.3898	1.00	11,293
22,362	379.02	1.3898	5.76	157,079
20,416	346.03	6.6949	4.79	24,758
19,863	336.66	2.2034	3.26	49,809
18,224	308.88	5.8814	6.29	33,035
17,169	291.00	4.1525	3.89	27,260
16,986	287.90	6.1017	4.12	19,439
16,478	279.29	6.2712	6.14	27,345
15,816	268.07	8.9492	3.66	10,963
15,359	260.32	2.3051	6.07	68,550
13,692	232.07	10.6780	7.06	15,344
13,389	226.93	3.9661	3.27	18,710
13,246	224.51	1.7288	2.20	28,572
12,542	212.58	11.0678	4.11	7,894
12,280	208.14	4.7458	4.56	19,999
11,624	197.02	2.7627	5.53	39,435
11,311	191.71	2.0678	1.64	15,204

1,669,268	82.5%	COST DRIVERS
354,952	17.5%	OTHERS
=====		
2,024,220		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/TPQ-37 FIREFINDER FY 94 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	318,885	20,846	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	91,926	3,649	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	1,773,823	38,360	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	500	0	0	0	0	0	0
TOTAL	2,185,134	62,855	0	0	0	0	0
QTY COMPLETED	3	1	0	0	0	0	0
AVG COST	728,378	62,855	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/TPQ-37 FIREFINDER FY 94 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	821	13,637	45	635	14.11
USAREUR	236	3,920			
EUSA	35	581			
USARPAC	20	332			
USARSO	0	0			
USASOC	0	0			
TRADOC	18	299	0	0	0.00
ARNG	1,446	24,018			
USAR	0	0			
TOTAL ARMY	2,576	42,787	45	635	14.11

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-37 FIREFINDER FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR	208,609	45,675	0	2,639,069	339,731	9,411	45,384	16,028	19,251	0
MILITARY LABOR	0	0	0	0	0	0	0	0	0	0
MATERIEL	105,852	205,512	0	3,065,887	95,575	8,362	29,305	13,811	6,053	0
TRANSPORTATION	0	0	0	0	0					
OVERHEAD	0	0	0	3,902,920	1,812,183	16,450	90,698	34,716	51,689	0
CONTRACT	0	0	0	0	0	0	0	0	0	0
OTHER	333,691	57,592	0	11,678	500	1,989	4,255	3,221	0	0
TOTAL	648,152	308,779	0	9,619,554	2,247,989	36,212	169,642	67,776	76,993	0
QTY COMPLETED	1	1	0	7	4	3	83	33	39	0
AVG COST	648,152	308,779	0	1,374,222	561,997	12,071	2,044	2,054	1,974	0

The table below summarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TPQ-37 FIREFINDER FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM	7,975	2,083	7,088	9,862	13,637	92	2,481	1,946	14,076	635
USAREUR	3,521	2,940	1,681	6,087	3,920					
EUSA	1,844	961	971	1,193	581					
USARPAC	0	0	0	2,748	332					
USARSO	0	0	0	0	0					
USASOC	0	0	0	0	0					
TRADOC	147	1	3	39	299	8,103	43,765	35,406	25,147	0
ARNG	16,064	28,176	19,700	25,317	24,018					
USAR	0	0	0	0	0					
TOTAL ARMY	29,551	34,161	29,443	45,246	42,787	8,195	46,246	37,352	39,223	635
LABOR HRS	1,759	2,014	1,748	2,632	2,576	425	2,312	1,899	1,759	45
COST PER HR	16.80	16.96	16.84	17.19	16.61	19.28	20.00	19.67	22.30	14.11

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/TPQ-37 FIREFINDER					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/TPQ-37 FIREFINDER					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90-94 QTY COMPLETED.

AN/TPQ-37 FIREFINDER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5840-01-073-5483	PRINTER,LINE	28,253	71,796	22	3,263
5950-01-140-8992	TRANSFORMER RECT	22,971	23,670	1	23,670
6130-01-072-4413	POWER SUPPLY	621	16,505	6	2,751
6130-01-072-1533	POWER SUPPLY	894	13,381	14	956
4320-01-156-0386	PUMP,MOTOR ASSEM	10,101	11,546	3	3,849
5998-01-072-4649	CIRCUIT CARD ASS	3,654	6,769	5	1,354
6130-01-176-3196	POWER SUPPLY	1,203	5,823	1	5,823
5998-01-072-8198	CIRCUIT CARD ASS	3,586	3,715	5	743
6130-01-072-1529	POWER SUPPLY	629	3,701	1	3,701
6130-01-072-0508	POWER SUPPLY	519	3,700	1	3,700

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/TPQ-37 FIREFINDER FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

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